



For 10.125 MHz, the dimensions (letters above) are these: a=5.6' b (space between driven element end and reflector end on each side)=1' c=6.8' d=35' (17.5' either side the center). a+b+c=13.4' Total wire for driven element=46.2'; for reflector=48.6' All numbers come from NEC models with #14 copper wire. Free Space SWR is less than 1.2:1 across the band.

Mounting the antenna low, as many of us must do, will decrease its performance, but still outdo a dipole. Here is a comparison, where T0=the angle of maximum radiation. Notice the lowered angle for the Moxon (which means more radiation at angles good for dx also) especially at the lowest heights.

Height	Moxon gain	T0	F-B	Feed Imp	Dipole gain	T0	FeedZ
20'	8.2 dBi	50	12	43	6.0 dBi	83	75
35'	9.7	35	30	54	6.1	39	85
50'	10.9	25	20	62	7.6	27	65

Notice also that the Moxon's feedpoint impedance changes less with changes in antenna height, meaning less trimming as you elevate it and a good match for a choke 1:1 balun and coax. 20' is an attic height, while 35' is a moderate tree height, and 50' is for lumber jacks. All three heights are rather low, with 50' being just about a half wavelength up at 30 meters. (1 wavelength = approx. 97') At a half wavelength and above the Moxon makes a good "everything in front of me, nothing behind me" antenna, and it retains a lot of that pattern shape at lower heights. Mounting methods are up to you.

Moxons do work. I have tested a 10-meter model extensively, and models play very close to reality (or vv, depending on your viewpoint). See the next issue of Communications Quarterly for a report. In the meantime, here is the antenna I plan to put in my attic for qrp work on 30 meters.

-73-

LB, W4RNL

From owner-qrp-l@netcom.com Thu Mar 9 05:48:47 1995

Date: Thu, 9 Mar 1995 13:59:28 +1130

From: Chris Doherty <doherty@locrian.scranton.com>

Subject: A new ham dawns

Message-Id: <Pine.3.89.9503091352.A5591-0100000@locrian.scranton.com>

I passed the test! I did elements 1A, 2, and 3A and the certificate says TECHNICIAN w/HF. Ah feeeeeel good! Just had to let somebody know, after the wife and kids. It was worth the work. See ya!

-73-

Chris Doherty
doherty@lydian.scranton.com (sk)

"I never want to be so down
that it begins to look like up."

From owner-qrp-1@netcom.com Thu Mar 9 12:05:06 1995
Date: Thu, 09 Mar 1995 06:59:28 -0500 (EST)
From: CEBIK@utkvx.utk.edu
Subject: an e-mail contact for ZL1IAN
Message-Id: <Pine.3.89.9503090641.A559992475-0100000@utkvx.utk.edu>

Ian Simpson, ZL1IAN, will be visiting the states sometime soon and is looking for an e-mail contact person in the Starkville, MS, (MFJ and MS St U fame) area. If anyone on this net is willing to receive e-mail from Ian, please let me know. Thanks.
LB, W4RNL cebik@utkvx.utk.edu

From owner-qrp-1@netcom.com Fri Mar 10 03:40:17 1995
From: Mike.Czuhajewski@hambbs.wb3ffv.ampr.org (Mike Czuhajewski)
Subject: Re audio filters
Date: Fri, 10 Mar 95 00:43:48 EST5EDT
Message-Id: <1995Mar10.004348.9391@wb3ffv.ampr.org>

The subject of audio filters came up recently and someone mentioned "W3???"--that's W3NQN, Ed Wetherhold, in nearby Annapolis, MD (although we've never met face to face, he's a local call fro me). His address is 1426 Catlyn--throw out your callbook if it has something else, as it's hopelessly outdated since that address is now 4 or 5 years old. He has literally dozens of filter articles in various magazines (ham and professional) in the last 20 years and KNOWS his subject. His audio filters (detailed in QST and QEX a few years ago) are excellent. I featured them a couple times in the Idea Exchange column in the QRP Quarterly a few years ago, and they are GOOD. (I highly recommend getting the matched capacitor sets he sells--an excellent bargain, and something I would not want to do myself; performance is highly dependant on the correct cap values.) 73 and Queue Our Pea DE WA8MCQ
--

Mike Czuhajewski, user of the UniBoard System @ wb3ffv.ampr.org
E-Mail: Mike.Czuhajewski@hambbs.wb3ffv.ampr.org
The WB3FFV Amateur Radio BBS - Located in Baltimore, Maryland USA
Supporting the Amateur Radio Hobby, and TCP/IP InterNetworking

From owner-qrp-1@netcom.com Thu Mar 9 01:42:40 1995
From: JEVERHART@cayman.VF.MMC.COM
Date: Wed, 8 Mar 1995 23:02:27 -0500 (EST)

Message-Id: <950308230227.22e23120@carib.vf.mmc.com>
Subject: RE: Color burst sprint thursday?

Paul,

I'll be there too amid the TV spurii - pretty bad here is Suburbia with a vertical antenna close to two houses full of tv viewers! Hope to have the "Better VX0" rig on. May have to crank up a vfo controlled Vfo rig if my sigs are as weak as usual!

I'll be listeneing for activity while debugging my newly constructed NORCAL 40A.

72/73,

Joe E. N2CX

From owner-qrp-l@netcom.com Thu Mar 9 05:55:49 1995
Date: Wed, 8 Mar 1995 22:34:37 -0600 (CST)
From: Adrian Weiss W0RSP English Department <AWEISS@charlie.usd.edu>
Message-Id: <950308223437.577e2@charlie.usd.edu>
Subject: CQ & Ade A-OK

For those of you who are wondering, CQ and I have taken care of business and everything is fine.

CQ is always on the look-out for good QRP articles. Construction projects are especially appreciated, so if you've cooked up a working rig, ask Dick Ross or Al Dorhoffer if they'd like to see a write-up.

Also, I wonder if any of the club rigs have been reviewed by CQ? All it takes is someone who has built one and can discuss the circuitry intelligently as well as assess ease of construction, tune-up, and performance. I suspect that the world at large out there would be interested in these rigs.

73 to all, Ade W0RSP

From owner-qrp-l@netcom.com Thu Mar 9 21:25:31 1995
From: LVE1@inel.gov
Message-Id: <9503092124.AA28650@garnet.inel.gov>
Date: Thu, 09 Mar 1995 14:25:50 -0700

Subject: Re: CW Filter from RS Cross Over

>And, isn't there a good passive CW filter described in the Handbook?

>

Yes -- and the 88mH toroids are available from the designer (can't remember his name/call -- W3-something) for a nominal charge for several filter designs; CW of various frequencies and SSB. See some back issues of QRP Quarterly; also, I had an article in the July '94 QQ describing the LC filter setup I use in my Ten-Tec Augonaut.

72/73, Larry.

From owner-qrp-l@netcom.com Thu Mar 9 22:02:37 1995

From: N5EM@aol.com

Date: Thu, 9 Mar 1995 20:27:08 -0500

Message-Id: <950309202706_44742847@aol.com>

Subject: Re: CW Filter from RS crossover?

Folks,

I believe that you can still order the toroid stack from Ed Weatherhold, W3NQN. This toroid stack comes from old telephone network loading coils and makes EXCELLENT CW and SSB filters. They have been extensively covered in the amateur literature, and the toroid stack has been available for shipping costs. In addition, Ed has made available in the past, matched sets of caps to complete the construction for about \$5 per filter. All the builder had to supply, beyond these stacks and cap kits was the enclosure and a couple of 200 ohm to 8 ohm matching transformers.

References:

Write (include SASE!) to Ed Weatherhold, W3NQN
1426 Catlyn Place
Annapolis, MD 21401

See:

ARRL Handbook, 1993 Edition, page 28-1.

QST, December, 1980 and feedback, QST, January, 1981, pg. 43.

Ham Radio, April, 1981

Radio Handbook, 23rd edition, W. Orr, pg. 13-4.

Forget the Radio Shack crossover network. Check out this article. These filters are computer designed and have been built by numerous hams and described in QRP literature.

You're gonna like it a lot!

Ed Manuel - N5EM
n5em@aol.com
Houston, Texas

QRP - Its a state of mind, not just a power level.

QRP ARCI #4914, G-QRP #1243, NORCAL #498
(And soon to have a CQC number as well - couldn't resist their patch.)

From owner-qrp-l@netcom.com Fri Mar 10 02:35:58 1995
Message-Id: <ab8569fb040210038371@[129.74.35.16]>
Date: Thu, 9 Mar 1995 21:37:51 -0500
From: Steve.Hideg.1@nd.edu (Steve Hideg)
Subject: Dayton 1995 QRP Pictures

Once again this year I will be taking pictures of QRP-related things at the Dayton Hamvention. My schedule will probably not permit me to attend all QRP events, so perhaps someone else can shoot pics at the QRP banquet and various forums. I currently plan to attend the Hospitality Room, assuming it's on Friday night. And I also plan to attend the QRP Club Forum on Sunday morning. Can someone else pick up the slack?

Also, I will scan and post the best of these on a WWW page on the Internet. Details on the Web page will be forthcoming.

Anyone who wishes to donate photos to this page is encouraged to do so. Full credit will be given to the photographer.

Let me know if interested.

72

--Steve

Steve Hideg Macintosh Consultant/Analyst

Office of University Computing	Telephone: (219) 631-EXAM
G034 Computing Center/Math Building	E-mail: Steve.Hideg.1@nd.edu
University of Notre Dame	URL: http://www.nd.edu/~shideg/
Notre Dame, IN 46556	Ham Radio: N8HSC/9

Action figures sold separately.

From owner-qrp-l@netcom.com Thu Mar 9 12:18:43 1995
Date: Thu, 9 Mar 1995 08:22:25 -0800
From: faunt@netcom.com (Doug Faunt N6TQS 510-655-8604)
Message-Id: <199503091622.IAA10706@netcom12.netcom.com>
Subject: Re: DSP Front End

And as long as you're running digital, and have a computer anyway,
why not use the frequency synthesizer hack from the new Communications
Quarterly instead of a vfo?

From owner-qrp-l@netcom.com Thu Mar 9 15:43:56 1995
From: JEVERHART@cayman.VF.MMC.COM
Date: Thu, 9 Mar 1995 14:16:12 -0500 (EST)
Message-Id: <950309141612.22e1b6a7@carib.vf.mmc.com>
Subject: Re: DSP Front End

Doug, you wrote:

> And as long as you're running digital, and have a computer anyway,
> why not use the frequency synthesizer hack from the new Communications
> Quarterly instead of a vfo?

Not sure if you knew, but the Howie, the fellow who wrote that article
frequents this list. Also, he was at a recent QRP-NE meeting held at ARRL HQ.
He had his unit along for show-and-tell. Neat stuff and getting in the very
reasonable price range. Now if only you didn't need a computer to operate
it....

72/73,

Joe E. N2CX

From owner-qrp-l@netcom.com Thu Mar 9 16:32:49 1995
Date: Thu, 9 Mar 95 08:34:24 EST
Message-Id: <9503091334.AA28613@clark.dgim.doc.ca>
From: jcumming@clark.dgim.doc.ca (Jim Cummings)
Subject: Re: DSP Front End

>Larry and the QRP-L gang,
>

>I find it just amazing all the celebrities that are here on the qrp-l list.
>Why I just finish reading the March 95 QST article on "Try building your own
>equipment" by qrp-ler Gary Diana N2JGU (nice article) and I start thumbing
>through Hints and Kinks and who shows up another qrp-ler Larry East W1HUE/7
>talking about an audio limiter for use with DSP Filters. What I really find
>interesting is I had just traded some Email a few days earlier with Gary
>about his building Feb 95 QST article on an AGC Audio Preamp for all Seasons

>(p 58).
>
>(snip snip)
>
>By the way I'm curious is there are any digital addicts out there who
>operate RTTY/Amtor/Pactor qrp (you know the stuff that's a little faster
>than Chuck Adams can copy by ear...) I don't have my QRP+ in yet but that
>will be one of my projects qrp digital.
>
>Anyway just wanted to thank Gary and Larry for their input in this last
>issue of QST - boy is this qrp-l great or what...
>
>72 Bob V01DRB/WA6ERB
>-----
>>

Robert! I am crushed! And we supped together not two months ago up in the
Battery! Oh woe is me! How could you forget! (Enough of the hysterics on
forgetting that I am a digital proponent....)

I just got W9GV's email address late yesterday. I had researched his
article and of course was disappointed that its software was only for CW
operation. I am about to send him a note and find out if phone and HF
digital versions are available. Being an HF mobiler, having a phone DSP
would be helpful. Of course, it goes without saying that a digital filter
would be de rigeur!

I would be pleased to send along your query for his cogitation.

=====
Jim Cummings
eMail:jcumming@clark.dgim.doc.ca
packet:VE3XJ@VE3JF.#EONT.ON.CA.NOAM
73 and live better digitally
DON'T GET TOO EXCITED...
because remember, today is the first
day of the rest of your life.
=====

From owner-qrp-l@netcom.com Thu Mar 9 08:45:25 1995
From: K7YHA@aol.com
Date: Thu, 9 Mar 1995 06:12:37 -0500
Message-Id: <950309061233_44044492@aol.com>
Subject: Duh!!

Sorry about the "unsubscribe qrp-l" that just went out.....I'm normally(?)
not that dumb.....ask NZ8J, he knows!

72 rich

From owner-qrp-1@netcom.com Thu Mar 9 02:55:25 1995
From: gbrcfdrj@ibmmail.com
Message-Id: <199503090521.VAA10397@netcom20.netcom.com>
Date: Thu, 09 Mar 1995 00:20:36 EST
Subject: Gel Cells in Your Baggage

Sehne:

I used to throw bags for Mesa Airlines, a United Express carrier. The only batteries we allowed in the baggage pit were the ones used on wheel chairs, and then only one chair per aircraft. We flew two types of planes, 19 and 31 passengers, respectively.

You'll be flying at least a DC-10, but I wouldn't think the rules in this area would be much different. It might be better to buy a lantern battery or two once you get to KH6-land and avoid any possible hassles.

Have a great time!

72,

David Brunner, KE0AZ
gbrcfdrj@ibmmail.com

From owner-qrp-1@netcom.com Thu Mar 9 18:34:26 1995
Date: Thu, 09 Mar 1995 09:04 -0500 (CDT)
From: "Muenzler, Kevin" <MUENZLERK@uthscsa.edu>
Subject: RE: Gel Cells in Your Baggage
Message-Id: <01HNXD5DT4XU00QPXE@uthscsa.edu>

gbrcfdrj Writes:

>

>Sehne:

>

>

>

>I used to throw bags for Mesa Airlines, a United Express carrier. The only

>

>batteries we allowed in the baggage pit were the ones used on wheel chairs,

>
>and then only one chair per aircraft. We flew two types of planes, 19 and
31
>
>passengers, respectively.

>
>

>
>You'll be flying at least a DC-10, but I wouldn't think the rules in this
>area
>would be much different. It might be better to buy a lantern battery or
two
>
>once you get to KH6-land and avoid any possible hassles.

>
>

>
>Have a great time!

>
>72,

>
>David Brunner, KE0AZ

>
>gbrcdfdrj@ibmmail.com

If you are going there to visit a person or you have friends there try
shipping your batteries ahead of time via UPS.

Kevin
WB5RUE
muenzlerk@uthscsa.edu

From owner-qrp-l@netcom.com Thu Mar 9 14:33:37 1995
From: Bob Levine <levine@mc.com>
Date: Thu, 9 Mar 95 12:40:59 EST
Message-Id: <9503091740.AA21474@fugu>
Subject: Hello

New subscriber testing connection.
Thanks,

Bob

From owner-qrp-1@netcom.com Thu Mar 9 13:26:40 1995
From: Johnson Russ <JohnsonR@ind2.indy.tce.com>
Subject: Internet to Packet Packet to Internet
Date: Thu, 09 Mar 95 11:03:00 PST
Message-Id: <2F5F5118@MSMAIL.INDY.TCE.COM>

Hello All,

Does anyone know of an internet packet gateway that allows sending messages FROM the internet via E-Mail to PACKET and back? I had one and used it before and now my messages bounce back.

Help....

Russ N9RJ
Johnsonr@indy.tce.com

From owner-qrp-1@netcom.com Thu Mar 9 21:41:49 1995
Date: Thu, 09 Mar 95 12:57:19 ast
From: "Jim Larsen" <jlarsen@alascom.com>
Message-Id: <9502097947.AA794783300@mailrouter.alascom.com>
Subject: Re: Internet to Packet Packet to Internet

>From : 9A7ICT
>To : INTNET@WW
>Date/time : 09-Feb 14:43
>Title : INTERNET GATEWAY

Organization: Stat Gateway Service, WB7TPY

*** Please note, effective 11/1/94 the address of the internet side of the gateway has changed from gate@wb7tpy.ampr.org to gate@stat.com Please notify your contacts immediately of this change ***

How to Use the WB7TPY Packet <-> Internet Gateway

First, some brief operational notes:

- (1) Messages must not contain any foul language, or commercial purpose.
- (2) Messages can only be sent to countries that the United States has a third-party agreement. All others will be destroyed.
- (3) Messages from the internet should be less than 5K in length.

No files should be sent.

- (4) If you have questions, please do not hesitate to contact me either on
packet radio: WB7TPY@WB7TPY.AZ.USA.NA -or-
Internet : david@stat.com

- (5) Have fun. Use the gateway as much as you like. That is what it is
there for.

From Internet to Packet

Send mail to the internet address of:

gate@stat.com

The first line of text must contain a full packet address, preceded with the
word "Packet:"

For example, mail to my packet address, would have the first line of text;

Packet: wb7tpy@wb7tpy.az.usa.na

** NOTE: this line MUST be left justified.

From Packet to Internet

Send as private mail (never a bulletin) to the packet address of:

gate@wb7tpy.az.usa.na

The first line of text must contain a full domained internet address,
proceeded with the word "Internet:"

For example, mail to my internet address, would hav the frst lie of text;

Internet: david@primenet.com

*** Remember, this has to be left justified

Editor, HICNet Medical Newsletter

Internet: david@stat.com
Bitnet : ATW1H@ASUACAD

AX: +1 (02) 451-1165

-----Reply Header-----

Author: Johnson Russ <JohnsonR@ind2.indy.tce.com>
Subject: Internet to Packet Packet to Internet
03-09-95 11:03 AM

Hello All,

Does anyone know of an internet packet gateway that allows sending messages FROM the internet via E-Mail to PACKET and back? I had one and used it before and now my messages bounce back.

Help....

Russ N9RJ
Johnsonr@indy.tce.com

From owner-qrp-l@netcom.com Thu Mar 9 18:07:52 1995
From: Mike.Czuhajewski@hambbs.wb3ffv.ampr.org (Mike Czuhajewski)
Subject: Re K5FO "swipe"
Date: Thu, 09 Mar 95 13:04:09 EST5EDT
Message-Id: <1995Mar09.130409.8371@wb3ffv.ampr.org>

In a recent message, K5FO mentioned a posting that I made about the meeting with N00CT recently, where I said Chuck had promised to send last minute details but they were eaten by his system. That was not intended as a swipe at Chuck, but rather at the less-than-perfect reliability of "the system", meaning Internet and e-mail. Chuck DID send the details at the last minute as promised, but they never made it out to us until after he had returned home. In fact, after he returned home later in the week we got several messages to us that he had sent during the preceding week. He had sent everything as he said he would, but they were delayed along the way. Many of you have noticed that your posting sometimes take a couple days to appear. I myself have been on both the sending and receiving end of e-mail that never made it through at all--many, many times. I've also made postings to the list which I never saw appear, and yet others told me they read them. "The system" is a large entity, and just like the US postal service it often suffers from the effects of a tremendous flow of traffic. Again, no swipe was intended at K5FO, just a little complaint about the weaknesses of the system. I apologize for not making that clear in the previous posting.

73....

--

Mike Czuhajewski, user of the UniBoard System @ wb3ffv.ampr.org
E-Mail: Mike.Czuhajewski@hambbs.wb3ffv.ampr.org
The WB3FFV Amateur Radio BBS - Located in Baltimore, Maryland USA
Supporting the Amateur Radio Hobby, and TCP/IP InterNetworking

From owner-qrp-l@netcom.com Thu Mar 9 16:24:33 1995
Date: Thu, 9 Mar 1995 08:17:00 -0500
From: "david (d.) burniston" <davidgb@bnr.ca>
Message-Id: <"510 Thu Mar 9 08:18:10 1995"@bnr.ca>
Subject: More Happy Faces...

Last night we finished up 10 of the 13 Ten*Tek Regenerative SWL receivers, hokked up an antenna and headphones and 9 out of 10 worked first time! Number 10 had a cap in the wrong place. Fixed that and away it went.

The last three kits should be ready to go soon.

There were a lot of very happy faces last night. They all got to take their new "rigs" home for the first time. That much enthusiasm in one place is almost addictive.

Next month I get to take 100 kids out for a 2M DF'ing day? Did somebody say something earlier about signs that counselling was necessary?

I'm also scheduled to do a QRP presentation to our radio club in April, so I'm madly putting together info, and finishing all my projects. Plan to set up my Norcal40 with a Hustler or long wire (if I get my Super T tuner kit from Kanga US finished in time).

See ya ...

Dave
VE3LFO ***All Opinions Are My Own *****

From owner-qrp-l@netcom.com Thu Mar 9 17:58:55 1995
From: RobCap@aol.com
Date: Thu, 9 Mar 1995 13:34:15 -0500
Message-Id: <950309121211_44262036@aol.com>
Subject: QRP Mi/Watt Records

Chuck:

Thanks for posting ARCI's miles/watt records, which I saw in the daily digest. I believe that this will generate a lot of activity in microwatt activity.

73,

Rob, WA3ULH

From owner-qrp-l@netcom.com Thu Mar 9 17:52:05 1995
Date: Thu, 9 Mar 1995 09:54:43 -0700
Message-Id: <199503091654.JAA17285@mailhost.primenet.com>
From: aa7qy@PrimeNet.Com (Roger Hightower)
Subject: QRP speaker

While digging around the junkbox, I came across an old Archer mini amplifier-speaker. Whipped up a short cable, and plugged it into the NorCal-40A, and got nice, clear, loud audio....now more than one person can hear the goings on.

It's still in the RS catalog: Part No. 277-1008, \$11.99, and seems to run forever on a 9V battery.

One more thing to put in the briefcase.

73, de Roger AA7QY
aa7qy@primenet.com rhhigh@aztec.asu.edu Ham Radio: AA7QY@KC7Y.AZ.USA.NA

From owner-qrp-l@netcom.com Thu Mar 9 14:18:01 1995
Date: Thu, 9 Mar 1995 09:19:14 -0330 (NST)
From: Bob Gobrick V01DRB/WA6ERB <bgobrick@terra.nlnet.nf.ca>
Subject: Re: QRP Spec. Event Stn. 7-95
Message-Id: <Pine.OSF.3.91.950309091728.31883A-100000@terra.nlnet.nf.ca>

Paul,

The club special event qrp station at White Sands sounds like a "blast" (and a little one at that).

Good luck and have fun.

72 Bob V01DRB/WA6ERB

PS: Just couldn't resist ;-)

Bob Gobrick V01DRB/WA6ERB/VE2DRB Newfoundland, Canada

QRPer Galore - ARCI, GQRP, NORCAL, NEQRP, COQRP, MIQRP, NWQRP

Internet: bgobrick@terra.nlnet.nf.ca
rgobrick@public.compusult.nf.ca

Compuserve: 70466.1405@compuserve.com

From owner-qrp-l@netcom.com Thu Mar 9 23:04:03 1995
From: "Brogdon, Al, K3KMO" <abrogdon@arrl.org>
Subject: QRPing the TS-50
Date: Thu, 09 Mar 95 15:57:00 EST
Message-Id: <2F5F6BD3@arrl.org>

Since I use a TS-50, I thought it would be nice to reduce the rig's low-power output from the preset 10 watts to 5 watts, to participate in the QRP division of some contests. Lo and behold, it's duck soup!

Remove the top cover. Just about centered in the uncovered box, near a small vertical circuit board, you will see a small white potentiometer (mounted in the horizontal plane) that sets the power levels (all three power levels move up and down as the pot is adjusted).

With the power set to low power, adjust the pot in a CCW direction and set the output power to 5 watts.

Replace the cover.

After adjusting the low setting to 5 watts, the three power levels on my TS-50 are now 5, 25, and 50 watts (rather than the original 10, 50, and 100 watts). Aw right!

A giggle: I found out how to do this from some dude who found out how to crank his TS-50 up to 225 watts output on SSB. He must like the smell of high-priced smoke!

73, Al, K3KMO

From owner-qrp-l@netcom.com Thu Mar 9 05:18:09 1995
Date: Wed, 8 Mar 1995 13:10:00 -0500
From: "todd (t.w.) nichols" <tnichols@bnr.ca>
Message-Id: <"4729 Wed Mar 8 14:45:40 1995"@bnr.ca>
Subject: re:Schematics via inet

>
>Gang,
>
>We should devise a simple way to send schematics and drawings to the
>list. John Seboldt's postscript schematics are beautifuul - but not

>everyboddy can print out postscript (is there any program around to
>display postscript on the screen, by the way?). The system should be

[deleted]

>Comments?

>Saludos Goran EA8YU hosinsky@royac.iac.es

>

IMHO, this way already exists, and Postscript IS the answer. I can't
speak for the Mac, but if you have a PC, ftp to oak.oakland.edu (or
any SimTel mirror) and get the appropriate files out of the following:

gs261286.zip (gs for 286)
gs261386.zip (gs for 386)
gs261ini.zip (don't remember - get it anyway :-)
gs261sr1.zip (source for gs)
gs261sr2.zip (source for gs)
gs261sr3.zip (source for gs)
gs261sr4.zip (source for gs)
gs261win.zip (gs for Windows)
gsview10.zip (don't remember)

for Ghostscript. Ghostscript will view Postscript files on your PC's
monitor, and print Postscript files to most printers. Postscript files
are ASCII, and thus very emailable (new word?). They compress very well.
Some applications programs have brain-dead Postscript drivers and generate
large, slowly-printing (it IS an interpreted language, after all) code,
whereas others do a fine job. And if you're the type of person who likes
to program everything in assembly language, you can always do your own
schematics in straight Postscript code (1/2 :-). Don Lancaster of Hardware
Hacker fame had an article or two where he espoused doing your own PCB
layouts this way. This is not entirely without merit, especially if you
like stack-based RPN-type languages; I write a little Postscript code
myself.)

Todd

Todd Nichols Bell Northern Research, Ottawa, Ontario (613) 765-3560
tnichols@bnr.ca KB0HQ/VE3 BNR didn't say it; I did
"Ensign, set a new course. There's coffee in that nebula!" - Capt. Janeway

From owner-qrp-1@netcom.com Thu Mar 9 16:54:01 1995
Date: Thu, 09 Mar 1995 07:01:36 -0500
From: seront@seism1.ess.sunysb.edu (Bernard Seront)
Subject: re:Schematics via inet
Message-Id: <9503091559.AA09291@seism1.ess.sunysb.edu>

>if you have a PC, ftp to oak.oakland.edu (or
>any SimTel mirror) and get the appropriate files out of the following:

>

>.....

>Todd

>

It has been quite difficult to find the good directory so here is all the
information:

Directory SimTel/msdos/postscript/

Filename	Type	Length	Date	Description
24avantg.zip	B	93952	920329	Font for GS24: AvantGuarde
24bookmn.zip	B	84228	920329	Font for GS24: Bookman
24chartr.zip	B	177689	920329	Font for GS24: Charter
24courer.zip	B	334277	920329	Fonts for GS24: Courier/Bold/Italic/BoldItalic
24courob.zip	B	104172	920329	Fonts for GS24: Courier Oblique/BoldOblique
24helvtc.zip	B	213294	920329	Font for GS24: Helvetica
24hershy.zip	B	68514	920329	Font for GS24: Hershey
24paltno.zip	B	97665	920329	Font for GS24: Palatino
24schlbn.zip	B	208774	920329	Font for GS24: NewCenturySchlbk
24symls.zip	B	91083	920329	Fonts for GS24: Symbols, ZaphDingbats
24times.zip	B	206834	920329	Font for GS24: Times
24utopia.zip	B	197654	920329	Font for GS24: Utopia
24zaphc.zip	B	193581	920424	Zaph chancery fonts for Ghostscript
25chartr.zip	B	161268	920825	Charter font for GhostScript v2.5
25courer.zip	B	217016	920825	Courier font for GhostScript v2.5
25utopia.zip	B	141264	920825	Utopia font for GhostScript v2.5
26urwfnt.zip	B	184763	930518	URW Nimbus, Grotesk, Antiqua fonts for GS v2.6
gs261286.zip	B	212181	930612	Ghostscript v2.6.1, EXE for 286 machines
gs261386.zip	B	404280	930612	Ghostscript v2.6.1, 386/486 EXE w/extended mem
gs261ini.zip	B	335951	930804	Ghostscript v2.6.1, required files + examples
gs261sr1.zip	B	355045	930615	Ghostscript v2.6.1 source files, 1 of 4
gs261sr2.zip	B	354107	930615	Ghostscript v2.6.1 source files, 2 of 4
gs261sr3.zip	B	355732	930615	Ghostscript v2.6.1 source files, 3 of 4
gs261sr4.zip	B	240578	930615	Ghostscript v2.6.1 source files, 4 of 4
gs261win.zip	B	294460	930612	Ghostscript v2.6.1, EXE for Windows 3.x
gsview10.zip	B	174939	930805	Ghostview 1.0 for Windows. Need Ghostscript2.6

Bernard, KB2TGH

From owner-qrp-1@netcom.com Thu Mar 9 16:29:10 1995

From: CLATON.CADMUS@hamlink.mn.org (CLATON CADMUS)

Date: Thu, 09 Mar 1995 06:29:37

Message-Id: <794732259.AA00659@hamlink.mn.org>

Subject: SILVER MICA VS NPO CERAMI

Steve wrote on the question of SM or NPO caps:

>Anyone have an idea which is better? (SM's cost more...)

Quoting the section on VFO construction in the "W1FB Design Notebook".

"Fixed value VFO capacitors play a vital role in frequency stability. I strongly recommend zero temperature coefficient (NPO) ceramic capacitors. This includes the feedback and output-coupling capacitors. My next choice is polystyrene capacitors, which are quite temperature stable too. Silver-mica capacitors are third on my list. They are rather unpredictable with regard to stability versus heating. Some exhibit a positive drift factor and some have a negative drift factor, even if they are from a given production run. It often requires some cut-and-try effort to find a group of silver-mica capacitors that provide stable VFO operation. Polystyrene capacitors have a negative drift trait, whereas magnetic cores have a positive drift characteristic. These two components, in combination, offer stable operation because their drift factors tend to cancel one another."

I would say that based on the above, a certain amount of luck is required when using SM. Often, mods on equipment are the result of a single Hams experiment. The results are also often difficult to repeat. My advice? Try it and see, measure the drift before and then after the mod. Good luck. (Kind of makes QRP an art!)

73 de KA0GKC Claton Cadmus

* SLMR 2.1a * Rule #1 of intelligent tinkering is to save all the parts

---NoSnail 1.12

Hamlink RBBS 612/HAM-0000 v.34

612/HAM-1010 v.32b

Ham Radio Spoken Here!!

Reply to sender @ hamlink.mn.org

From owner-qrp-l@netcom.com Fri Mar 10 04:52:13 1995

From: mtrail@violet.berkeley.edu

Date: Thu, 9 Mar 1995 23:06:45 -0800 (PST)

Subject: starting on Norcal 40a

Message-Id: <Pine.3.89.9503092232.A29958-0100000@violet.berkeley.edu>

Hi, all

Well, I actually received my kit in the mail LAST Friday--and haven't

gotten around to counting the parts until tonight. Everything is there and it looks like it's going to be a blast putting it together!

Especially since this is my first kit!!

I plan to set the record for the LONGEST, most painstaking job...

I've got a few naive questions for all you experienced builders out there. The first one involves solder--I read AA7AR's advice in the latest issue of QRPP, and also see that the manual mentions trying to find silver solder. I've picked up some rosin-core 96% tin 4% silver--is that the right stuff? (that's the only proportion I find mentioned in the Handbook as well...)

Secondly, Chuck mentioned he recommended putting in the crystals first. Why is that? Is that to make it a little easier to use the spacers to install the rocks a little bit above the board?

Any other pearls of wisdom out there for me before it's too late? I'll let you all know how easily a basically "Neophyte" builder finds this...but I have a feeling I've already caught the bug...

72 Matt KN6CR

"I should be finishing my dissertation."

From owner-qrp-l@netcom.com Thu Mar 9 01:48:47 1995

From: eric.sherk@mms.raleigh.nc.us

Message-Id: <9503082129.0U73C00@mms.raleigh.nc.us>

Date: Wed, 08 Mar 95 21:29:42

Subject: unsubscribe qrp-l

unsubscribe qrp-l